Examples:

1. Two numbers have a sum of 18. The bigger number is 3 more than twice the smaller one. Find the two numbers.
2. The total score in a football game  was 72 points. The winning team scored 12 more points than the losing team. How many points did the winning team score?
3. Ben has four more than twice as many CDs as Jake. If they have a total of 31 CDs, how many CDs, how many CDs does Jake have?

Practice:

1. Pam is playing with red and black marbles. The number of red marbles she has is three more than twice the number of black marbles she has. If she has 42 marbles in all, determine how many of each marble she has.
2. Julie went to the movies and bought one jumbo popcorn and two chocolate chip cookies for $5.00. Marvin went to the same movie and bought one jumbo popcorn and four chocolate chip cookies for $6.00. How much does on chocolate chip cookie cost?
3. During its first week of business, a market sold a total of 108 apples and oranges. The second week, five times the number of apples and three times the number of oranges were sold for a total of 452 for that week. Determine how many of each were sold during the first week.

Extra Practice:

1. An animal shelter spends $2.35 per day for each cat and $5.50 per day for each dog. Pat noticed that the shelter spent $89.50 caring for cats and   
   dogs on Wednesday.
   1. Pat said there may have been 8 cats and 14 dogs on Wednesday. Is this possible? Justify   
      your answer.
   2. Pat found a record that there were a total of 22 cats and dogs on Wednesday. How many cats were there that day?
2. In order to get ready for school, Hannah bought a total of 13 notebooks and pencils. The cost of a notebook is $2.50 and the cost of a pencil is $0.25. She spent $14.50 to her supplies.
   1. Hannah's mom thought she bought 3 notebooks and 10 pencils that day. Was her mom correct? Justify your answer.
3. Jacob and Zachary go to the movie theater and purchase refreshments for their friends. Jacob spends a total of $18.25 for on two bags of popcorns and three drinks. Zachary spends a total of $27.50 for four bags of popcorns and two drinks. Determine and state the price of a bag of popcorn and one drink.